

FIGURE 1



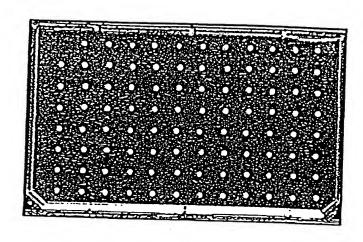
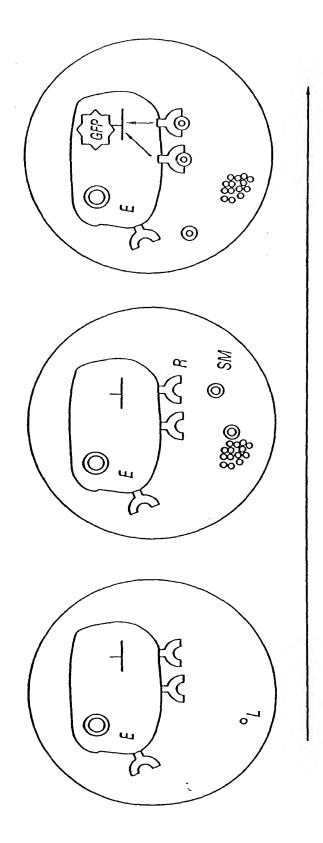


FIGURE 2





Receptor binding of small molecule & GFP reporting

Growth and expression of small molecule from host

Co-encapsulation Library + Eukaryote

SM=Small molecule L=Large insert library R=Eukaryotic receptor GFP = Green fluorescent protein E=Eukaryotic assay organism

FIGURE 3

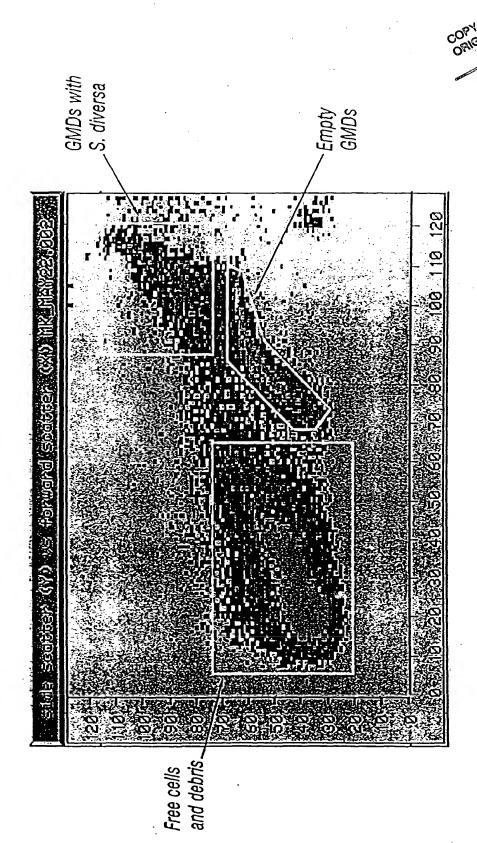
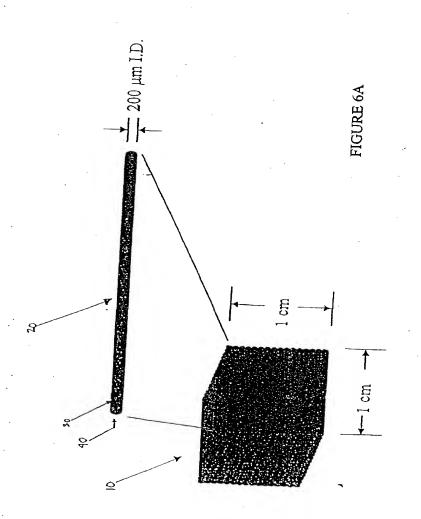


FIGURE 4

* Fluor-esterase 20-mer probe. 2 hr @ 46°C. Wash 30 min @48°C. Hyb. with Paraformaldehydefix cells 1 hr. Library spiked with 20% esterase + cells. Whole Cell Hybridization Protocol +/- CE6 phage infection) (T7 RNAP) 2 hr @ 37°C (+ control) FIGURE 5 Exp503 E.coli The Septiminal of the Septimin pBK 557 library lysate (phagemid, lambda, helper) Genomic esterase clone 95ES11 pBK #557 pBK #557 210ES1





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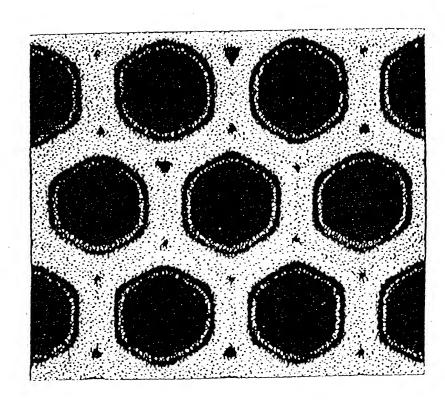


FIGURE 6B

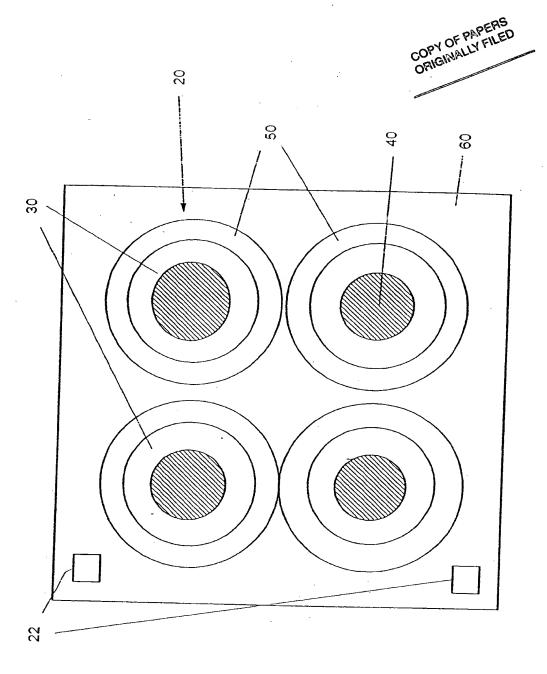
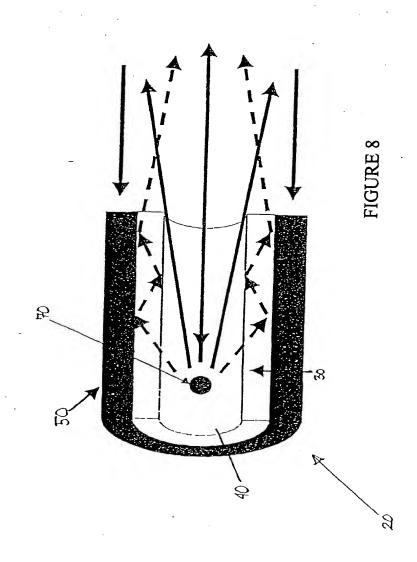


FIGURE 7





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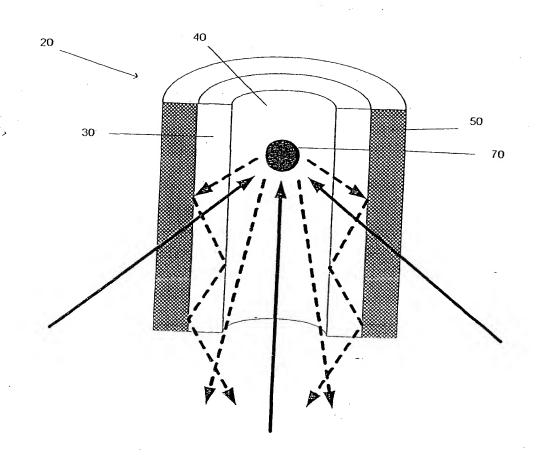
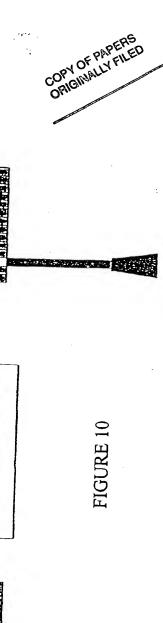
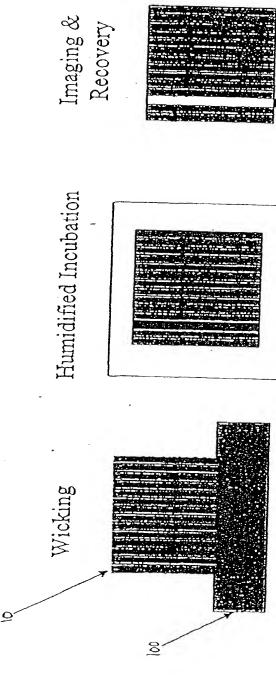


FIGURE 9







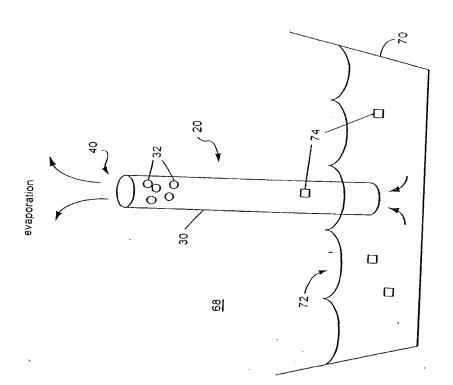


FIGURE 11

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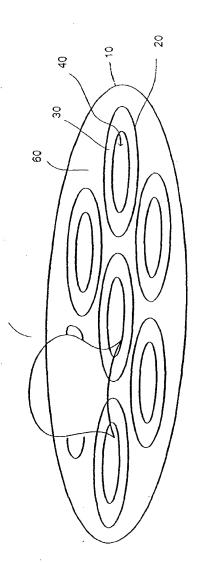


FIGURE 12A

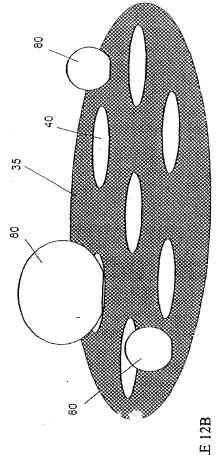
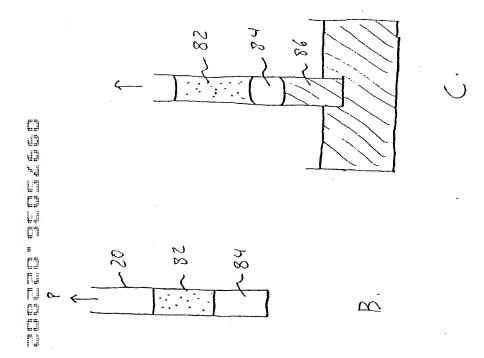


FIGURE 12B



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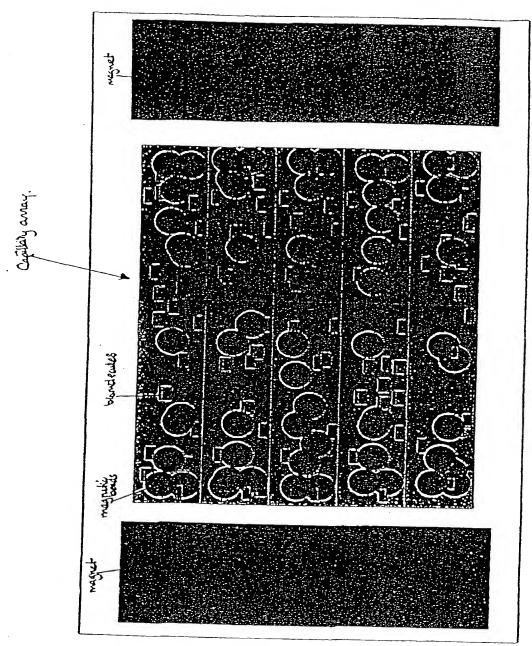
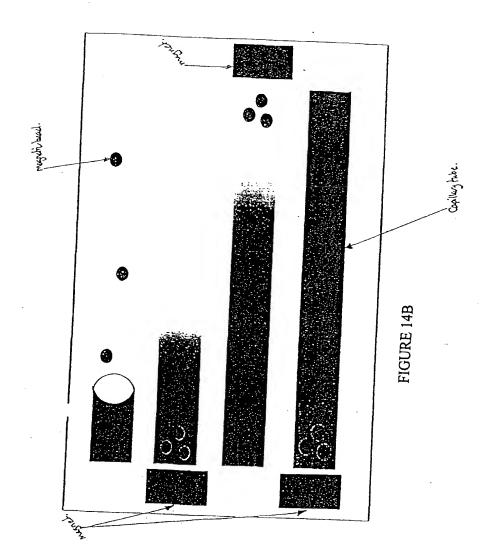


FIGURE 14A



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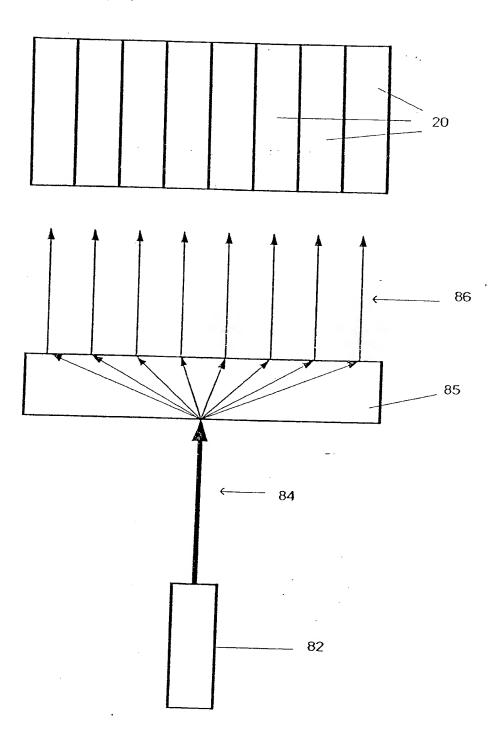
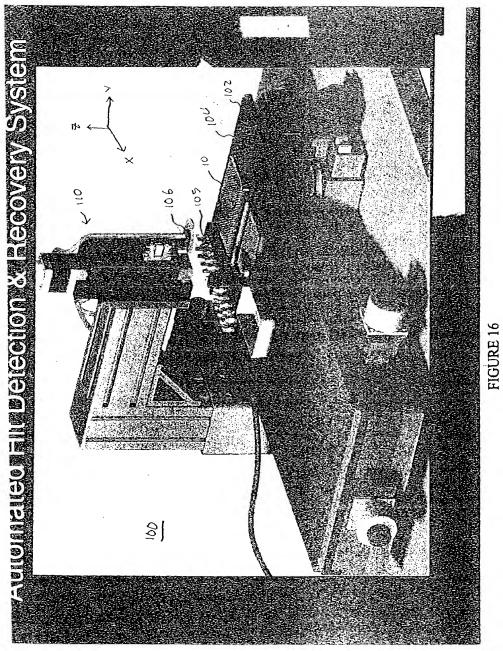
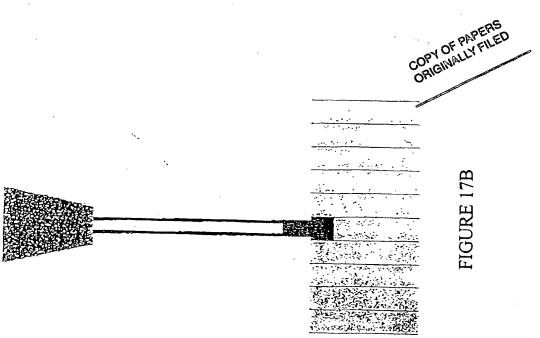


FIGURE 15





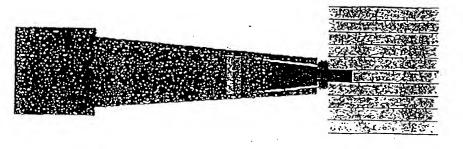
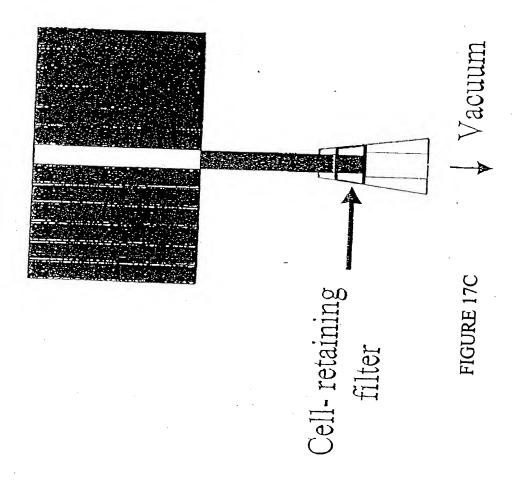
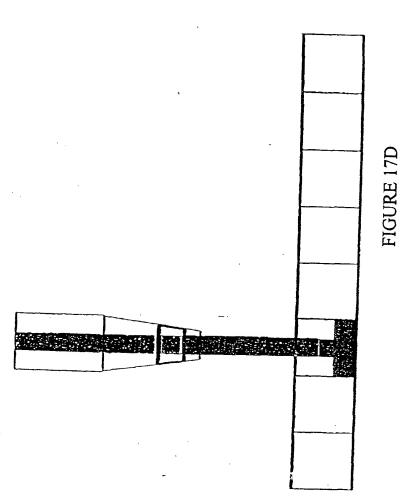


FIGURE 17A



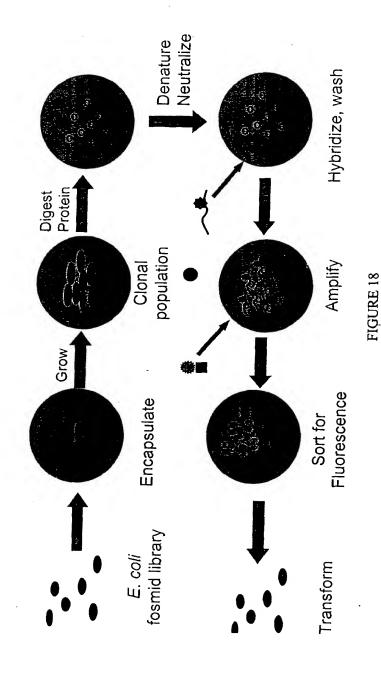




լարդ դարդ դարդ տարց դարու դիայի այսեր գիա։ դարդ օտուկ տարց դարդ ընթեր դարդ կանում Արդեն տարի տարի դին՝ տարի Այեն տարի հետում հետու

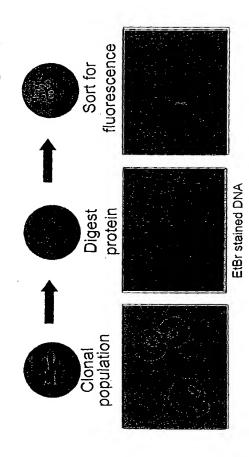


HTP Enrichment of Low Copy Gene Targets





FACS-Biopanning



STUCTSGLOBYCHAVQLIREGSADVILAGAADTEVSETVACPDALAGATTPRHILDPEHA
VSTUCTSGLOBYSTAPHTI EESKANVOLAGASISETIST ITVACTDA IKATSPHICIDPEHA
VSTUCTSGLOBYSTAPHTI AESKANVOLAGASISETIST HAACTDA IKATSPHICIDPEHA
VSTUCTSGLOBYSTAPHTI AESKANVOLAGASISETIST HAACTDA IKATSPHICIDPEHA
VSTACTSGLOBYSTELSHOTACELLE AESTUCANVAGNIGATER ET TYPCTPRAFIRETTSHICH PETTA
I ATREPTSGYESTIGHAR LI NYGDADVAVARDARHOSTER, VKASKGAARALETHENENT CAA

TREPOGRENOPYEALEGAMPYTENYBERAKKRIAH ITA-VOCSYRIPGESTINYEETKOEKE SEEP PEMEROPYHKEGORAYLIYLEELEHARARAKKAS (GETYATPEMATEN)EETESES SEEP PEMEROPYUSOSAN VANGERBERAKKASALDYYEETE AS ATTEGAMBATTILESESES SEPPEKSENYETYUSOSAN VANGERBAKKOAKTYRELGATAREKKASHINTE FERKKA

MAEALBALDEA MAEALDEALDEA MANELTAALDEA AALETAALDEA AALAMMALEBA

Alignment of Environmental PKS Sequence

Whole Cell Hybridization



Fluorescein Excitation

White light

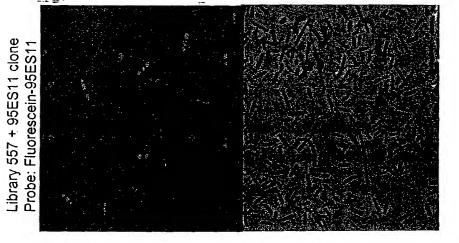
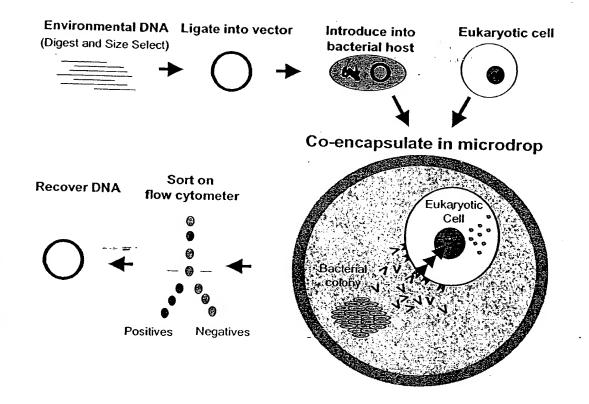


FIG. 20



COPY OF PAPERS OPIGINALLY FILED

COPY OF PAPERS ORIGINALLY FILED

Whole Cell Hybridization Protocol

+/- CE6 phage infection · (T7 RNAP) 2 hr @ 37°C Phasemid (phagemid, lambda, helper) pBK 557 library lysate

Paraformaldehyde-

fix cells 1 hr.

Utolstiel I

Hyb. with

esterase + cells.

Library spiked with 20%

* Fluor-esterase 20-mer probe.

2 hr @ 46°C.

Wash 30 min @48°C.

210ES1

95ES11

Genomic esterase clone #210ES1 or #95ES11

FIG. 22

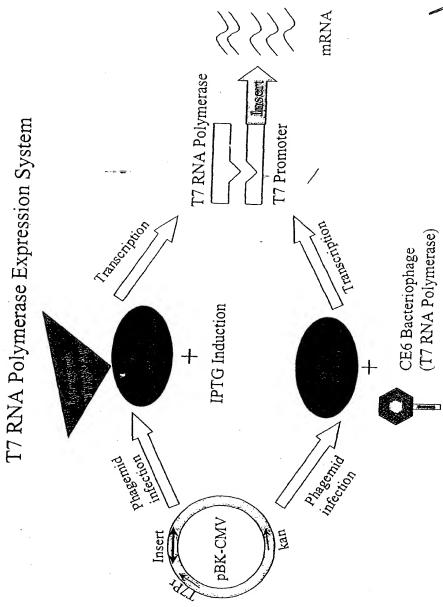


FIG. 23